

# INDEX TO VOLUME X.

## A.

Abbott, C. C. American caves, 180.  
Academy of Sciences, National, 224; list of papers read at, 249; meeting, 241.  
Act of God, 241, 264, 276, 290.  
Adams, H. C. Dodd's Republic of the Future, 92.  
Adams's Public Debts, 164; Study of History in American Colleges, 282.  
Afghan life in Afghan songs, 198.  
Africa, Central, 43; Junker's travels in, 54; Kerr's journey across, 321; map of, 91, 306; travels in, 221; Wissmann's expedition across, 270.  
Agricultural chemists, 113; experiment station, Pennsylvania, 307; Science Society, 21.  
Alaska boundary-line, survey of, 191; letter, 114; natural history notes on, 264.  
Alaskan Society of Sikka, 260.  
Allen's Common Sense Science, 20.  
Alsace-Lorraine, population of, 9.  
Alvord, H. E. Economy in management of soil, 77.  
American Association meeting, 85; officers, 94; Section A, 85; Section B, 86; Section C, 96; Section D, 87; Section E, 87; Section F, 88; Section H, 88; Section I, 90.  
Amery, C. F. Nitrogen in manures, 34.  
Anderson, W. Some Western mummies, 146.  
Anderson, W. W. Tornado force, 328.  
Anderson's Conversion of Heat into Work, 190.  
Andrews's Brief Institutes of General History, 190.  
Animals, ideas of number in, 316.  
Antarctic region exploration, 183.  
Anthony and Brackett's Physics, 235.  
Anthropological treatises, 57.  
Anthropology in the American and British Associations, 231.  
Ants, bees, and wasps, habits of, 320.  
Apparitions and haunted houses, 289.  
Arctic, notes from the, 233.  
Arctic America, 3.  
Aristotelian Society of London, 272.  
Arkansas, pronunciation of, 107, 120.  
Armor for land-defences, 124.  
Asha, W. A. Freezing-point of sea-water, 36; glacier-like movement in snow, 180; height and temperature of Eskimo, 57; Hudson Bay route, 47; ice and sea-water volumes, 34; sea-water ice, 95.  
Asia, Prejevalsky's journeys in, 62.  
Atkinson, E. The American physique, 239, 276.  
Atkinson's Margin of Profits, 137.  
Attention, mechanism of, 260, 263.  
Audubon's grave, 68, 108, 305, 377.  
Ayres, W. O., death of, 24.

## B.

Baird, Spencer P., 97.  
Baldwin's Psychology and Education, 263.  
Bailett, T. M. Examinations, 113.  
Ballooning, 45.  
Banana, coconut, and India-rubber, 36.  
Barrow's Facts and Fictions of Mental Healing, 93.  
Bartley, E. H. Distillery-milk, 59.  
Base-ball players, 65.  
Basques, the, 246.  
Baustian's Die Welt in ihren Spiegelungen unter dem Wandel des Völkergedankens, 284.  
Bastin's Elements of Botany, 140.  
Bausch, E. Microscopes, 310.  
Beauchamp, W. M. Changes in Indian languages, 251, 264.  
Beer-trade statistics, 192.  
Bell, R. Rock specimens from Cumberland Sound, 257.  
Bell's Principles of Education, 223.  
Bell's Solikirk Settlement, 320.  
Birds, flight of, 399, 321; sleeping on the wing, 388.  
Bitumen in coal, 238.  
Boas, F. Eskimo and Indian, 273; Nicaragua Canal, 182; sea-water ice, 118.  
Bohn's Bau und Verrichtungen des Gehirns, 223.  
Bones, ash in human, 179.  
Botanical Club, 21.  
Botany, Annals of, 238.  
Botocudos, 116.  
Bottomley's Mathematical Tables, 129.  
Bowditch, statue of, 32.  
Bowditch, H. L. Cause of consumption, 71.  
Bowen, H. C. British universities, 210.  
Bower and Vine's Instruction in Botany, 175.  
Bowne's Philosophy of Theism, 315.

Boyhood, savagery of, 173, 303.  
Bradwin, G. Act of God, 259.  
Brain-growth and body-growth, 172.  
Brain-wounds, 30.  
Brashear, J. A., exhibition by, 319.  
Brazil, 213.  
Breathing, types of, 65.  
Brewer, W. H. Distillery-milk, 60.  
Bridgeman, Laura, 319.  
Brigham's Guatemala, 223.  
Brinton, D. G. Chronology of America, 76; Eskimo and Iroquois, 300; rate of change in American languages, 274.  
Brinton's Ancient Nahuatl Poetry, 222.  
British Columbia, 221, 234.  
Browning, O. Aspects of education, 206, 253.  
Bruehl's Culturvölker Alt-Amerika's, 174.  
Bryozoa, study of, 225.  
Buel, R. H. Conspiracy of silence, 298.  
Burnstead, S. J. Study of logic, 256.  
Butler, N. M. Manual training in Norway, 255.  
Butler's Effect of the War of 1812, 30.  
Buzzards, sense of smell in, 319.

## C.

Cabanne, C. Distillery-milk, 72.  
Canal between Bordeaux and Narbonne, 224.  
Carnelley's Melting and Boiling Point Tables, 103.  
Carpenter, W. L. University of New Zealand, 12.  
Caspian Sea, elevation of, 32.  
Catalogues, 104.  
Catamaran, a steam, 273.  
Caterpillar-cocoons, 32.  
Cato Major et Lælius, 286.  
Cattle-plague, 221.  
Caves, American, 180.  
Cetti's fast, 100.  
Challenger Report, 44.  
Chamberlain, A. F. Eskimo and the Indian, 120, 273, 322; Volapuk, 24.  
Chamberlain and Salisbury's Driftless Area of the Upper Mississippi, 308.  
Charney's Ancient Cities of the New World, 200.  
Chemistry, University Press publications in, 191.  
Cheyenne, 229, 264.  
Children, false testimony of, 215; of New York, 197.  
Children's minds, contents of, 304.  
Chinese folk-lore, 302; wall, 257, 323.  
Chloroforming while asleep, 114, 214.  
Cholera and cold weather, 240; and yellow-fever, 151; at quarantine, 230, 230; bacillus, test for, 198; Calcutta outbreaks of, 202; precautions against, 188.  
Chrome as a poison, 58, 104.  
Chronology of America, 76.  
Clark, Alvan, 97.  
Classen's Analysis by Electrolysis, 191.  
Climatologist, The, 129.  
Cloud-heights, 46.  
Coal-mines, statistics of, 45.  
Coast Survey vessels, 57, 68.  
Cohen's Practical Organic Chemistry, 128.  
Coin-scales, 196.  
College, original research in, 109.  
Colleges and schools, New England association of, 302; of Ohio, Association of, 298.  
Color-blind laws, 157.  
Color-blindness, 121, 179.  
Columbia College, progress of, 253; report, 169.  
Conn, H. W. Original research in college, 109; Romantic Love, 143.  
Conspiracy of silence, 265, 298, 308.  
Constance, Lake of, soundings in, 330.  
Consumption, 30; and chest-expansion, 173; and evergreens, 92; cause of, 24, 71; cure of, 38, 99; grinder's, 197; treatment of, 114.  
Contagion, flies as carriers of, 214.  
Cook's voyages, relics of, 176.  
Cooper's Animal Life, 198.  
Co-operation in England, 1; in Europe, 121, 161.  
Copyright with England, 25.  
Corals, sections of, 252.  
Corfield's Treatment of Sewage, 116.  
Cornell, electrical engineering at, 208.  
Corset, the, 281.  
Couses, E. Flight of birds, 321.  
Craig's Aslmuth, 201.  
Crampton, C. A. Sorghum-sugar, 227.  
Cunningham's Electricity treated Experimentally, 93.

## D.

Darby's Nineteenth-Century Sense, 31.  
Davis, W. M. Classification of lakes, 142; study of geography, 131.  
Deaths and the tide, 24.  
De Bary's Comparative Morphology and Biology of Fungi, 175.  
Declinal system in England, 13.  
DeGarmo, C. German normal schools, 302.  
Delagoa Bay, 189.  
Density of the earth, 104.  
Dentition, mammalian, 300.  
Derelict vessels, danger to commerce from, 265.  
Dialects, Romanic, 174.  
Diamond, a North Carolina, 168.  
Diamond-field in Kentucky, 140.  
Diamonds, four large South African, 69.  
Diller, J. S. Diamond-field in Kentucky, 140.  
Diphtheria carried by the cook, 65.  
Disinfectants, Report on, 55.  
Dodd's Republic of the Future, 92.  
Dolbear, A. E. Tornado force, 60.  
Donaldson, F. Cause of consumption, 24.  
Drake's Making of the Great West, 175.  
Dreams, investigation of, 229.  
Drought of 1887, 331.  
Duck's brain, 138.  
Dutch Literary Review, 203.  
Dutton, C. E. Charleston earthquake, 10, 35.  
Dutton's Mount Taylor and the Zuni Plateau, 317.  
Dwarfish races, 173, 232.  
Dynamite gun, 151.

## E.

Ear-boxing, 25.  
Earthquake of Central Asia, 140; Charleston, 10, 35; Sonora, 81; submarine, 177.  
Earthquakes, depth of, 23.  
Eclipse, total solar, of 1896, 9.  
Education, a rational, 13; aspects of, 206, 253; method applied to, 18; scientific, in England, 250; technical, 72.  
Educational Association, National, 37; indorsement of Blair bill, 61, 132; council, a novel, 313.  
Ewards's Butterflies, 163.  
Electric light in mines, 217.  
Electrical exhibition in New York, 8.  
Electricity in the earth, 72, 96; loss of, 151, 308.  
Electroplating natural objects, 203.  
Fly, R. T. Adams's Public Debts, 164.  
Emin Pacha, 68.  
Emmingshaus's Die psychischen Störungen des Kindesalters, 192.  
English science, 193.  
Entomological Club, 20.  
Error, natural history of, 41.  
Eskimo, 150; and Indian, 120, 273, 287, 322; and Iroquois, 300; height and temperature of, 57; origin of, 116; tribes, 271, 288.  
Ethnographical museums, 245.  
Ethnographie, Internationales Archiv für, 229.  
European literature in America, 200.  
Evolution, what American zoologists have done for, 73.  
Examinations, school, 109, 112.  
Explosion record, 230.  
Explosives, modern, 205.  
Eyesight of children, testing of, 264.

## F.

Factory, German, statistics, 320.  
Fechner, Gustav Theodor, death of, 301.  
Ferrel, W. Theoretical meteorology, 48.  
Fibre industry of Burma, 202.  
Fifth-diseases, 36.  
Finch's Romantic Love, 100.  
Fish, distribution of, 56; frozen, 308; propagation, 177.  
Fish Commission steamer Albatross, movements of, 264.  
Foerste, A. F. Bryozoa, 225.  
Folk-Lore Society, 319.  
Foods and Food Adulterants, 128; in winter, 173.  
Fossils, chalcidized, 156; sections of, 180.  
Fourth of July casualties, 25.  
Fowler and Wilson's Principles of Morals, 31.  
Fraser, P. Geological questions, 35; Geologists' Congress, 119.

Frederick's Study of History in England and Scotland, 282.  
Freezing-point of sea-water, 36.  
Froebel's Education of Man, 263.

## G.

Galliard's French for Young Folks, 264.  
Gallaudet's hundredth birthday, 301.  
Gannett, H. Survey of the United States, 49.  
Garriatt, E. B. Tornado power, 48.  
Gaster's Greek-Slavonic Literature, 249.  
Geikie's Teaching of Geography, 139.  
Gems, American, 264; and precious stones, 181, 226.  
Genius, universal, 66.  
Geographical methods, lectures on, 238; names, 143; Society, debating club in American, 330.  
Geography in England, 89; study of, 91, 131; teaching of, 177.  
Geological Congress meeting next year, 308; questions, 35; survey in Arkansas, 57; Survey maps, 57.  
Geologist, the American, 307, 321.  
Geologists, congress of, 30, 119.  
German normal schools, 302.  
Gilman's Historical Readers, 103.  
Glacier in Colorado, 153.  
Glaciers, flora following retreating, 45.  
Glenn, W. Chrome as a poison, 58; fifth-diseases, 36.  
Gnocchi, artificial preparation of, 263.  
Goode, G. H. as fish commissioner, 109.  
Goodfellow, G. E. The Sonora earthquake, 81.  
Gore's Elements of Geodesy, 80.  
Grandgent's Italian Grammar, 238.  
Gratacap, L. P. Science at the American Association, 166.  
Greenland, 221.  
Grindelia glutinosa, 180; squarrosa, 152.  
Groff, G. G. Blair educational bill, 134.  
Gulf Stream investigations, 308.

## H.

Hague, A. Map of the Far West, 217.  
Hall, A. Act of God, 264; applied optics, 108.  
Hall, E. H. Physics for schools, 129.  
Hall, J. Faulty memory, 250.  
Hall and Knight's Higher Algebra, 128.  
Harger, Oscar, death of, 238.  
Harrington, C. Chrome as a poison, 104.  
Hartleben's Die Erde in Karten und Bildern, 173.  
Harvard Observatory bulletins, 129.  
Harvey, F. L. Faulty memory, 274.  
Hawaii Islands, 115.  
Hazen, H. A. Ballooning, 45; theoretical meteorology, 31; weather-predictions, 322; wind-pressure, 118.  
Health, a national board of, 313.  
Health Association, the American, 189, 238, 268, 278, 289.  
Hedley's The Mark of the Beast, 102.  
Hegel's Philosophy of the State and of History, 307.  
Heimholtz, 68.  
Herodity of mental traits, 125.  
Heron, Florida, 96.  
Heroules, destruction of Florida, 47.  
Herrmann's Graphical Statics of Mechanism, 140.  
Hewitt, W. T. Study of modern European literature in America, 309.  
Hilgard, E. W. Cyanhydric gas as an insecticide, 11.  
Hill, R. T. Corruption of geographic names, 143; pronunciation of Arkansas, 107.  
Hinsdale, B. A. Examinations, 112; over-pressure in schools, 177.  
Höfding's Psychologie im Umriss auf Grundlage der Erfahrung, 222.  
Holders Living Lights, 200, 226.  
Home Sanitation, 65.  
Hop-louse, 21.  
Horsford, E. N. Volapük, 10.  
Howard, M. and Schuyler, E. Waterspouts, 32.  
Howell, E. E. Rockwood meteorite, 107.  
Hubbard, G. G. Transcontinental railroads, 133.  
Hudson Bay expedition of 1886, 270; route, 47.  
Huxley's Royal Academy address, 31.  
Hyatt, A. Scientific swindler, 303.  
Hydrophobia, 214; in New York, 100; old observations on, 247.  
Hypnotism, recent observations in, 187.  
Hyslop, J. H. Temperature sense, 251.

## I.

Ice and sea-water volumes, 24.  
Indian basketry, 150; names, 252.  
Industrial Education Association, 250.  
Infants, progress of, 138.  
Insanity, scientific study of, 176.  
Insect-fight, 91.  
Insecticide, cyanhydric gas as an, 11.  
Insects, maxillary palpi of mandibulate, 176.  
Iron carburets, 191.  
Itasca, Lake, 48, 72, 91.  
Jacobson's Higher Grounds, 296.  
Jahn's Ethik als Grundwissenschaft der Pädagogik, 56.  
James, J. F. Chalcedonized fossils, 156; Chinese wall, 323; sections of corals, 252; sections of fossils, 180.  
Janney, J. J. Distillery-milk, 107.  
Jastrow, J. Seybert Commission report, 7.  
Jerran's Anglice Reddenda, 19.  
Johnson, L. N. Grindelia squarrosa, 152.  
Johnson, W. D. Topography, 132.

## J.

## K.

Kansas Academy of Science, twentieth meeting of, 286; Historical Society, 238.  
Kapp's Electric Transmission of Energy, 92.  
Kellie, J. S. Geography in England, 89.  
Keweenaw system, 168.  
Kidder, J. H. appointment of, 273.  
Kilpatrick, J. W. Stone daggers from Missouri, 192.  
King, E. P. Over-pressure in schools, 192.  
Kirchhoff, G. R. death of, 216.  
Kuango, the, 221.  
Kunz, G. F. A North Carolina diamond, 168; diamond-field in Kentucky, 149; four large South African diamonds, 69; gems and precious stones, 226.

## L.

Lake classification, 142.  
Landolt's Uebersichtliche Zusammenstellung der Augenbewegungen, 223.  
Lang, H. Silver in Oregon, 192.  
Langley's address to the American Association, 80.  
Language, articulated and sign, 18.  
Languages, American, 245; changes in, 274; Indian, bibliography of, 307; chances in, 251, 264; school of Oriental, at Berlin, 224; study of, 324.  
Larden's Electricity, 257.  
Laughlin's Political Economy, 198.  
Law, international, 191.  
LeConte, Joseph. Depth of earthquakes, 22; sound-blindness, 312.  
Leprosy, a case of, 302; in Louisiana, 43; in South Africa, 32.  
Lesley, J. P. Conspiracy of silence, 308.  
Levy's Electric Light Primer, 93.  
Lightning, globular, 324.  
Lindsay's T. Maccl Plauti Captivi, 19.  
Logic, study of, 256.  
Longevity of English scientists, 238.  
Lotze's Metaphysics, 250.  
Love's Industrial Education, 215.  
Lauback's Measures of Life, 66.  
Lucas, F. A. Maxillo-palatines of Tachycineta, 13.  
Lucas's Historical Geography of the British Colonies, 237.

## M.

McCosh, Dr. resignation of, 241.  
Macloskie, G. Mosquito poison, 106; pineal eye of lizard, 10.  
Magnetism, terrestrial, 81.  
Mahaffy's Greek Life and Thought, 317.  
Manchuria, 189.  
Mantegazza's Die Kunst Glücklich zu Sein, 286.  
Manual training at the New York school superintendents' meeting, 232; in England, 277; in Norway, 255; in St. Louis, 1; in Sweden, 305.  
Maures, nitrogen in, 34.  
Map of the Far West, 217.  
Mark's Engineering Pocket-Book, 190; Proportions of the Steam-Engine, 199.  
Martin, D. S. Audubon's grave, 68.  
Martin and Warner's Electric Motor, 93.  
Marwedel's Conscious Motherhood, 284.  
Mason, O. T. Ancient scrapers, 10.  
Mason, W. P. Ash in human bones, 179.  
Matthews, W. The Sioux, 300.  
Measles, 43.  
Medical congress, 145; legislation, 85.  
Medicine, practice of, in New York, 1; preventive, 29.  
Meiney, C. E. New Jersey reading-circle, 62.  
Memory, faulty, 177, 232, 250, 274.  
Meteor-fall, 276, 298.  
Meteorite stone of Krasnoslobodsk, 308.  
Meteorite, Rockwood, 107.  
Meteorological observations above the earth's surface, 32; international, 181; summarizing, 302; service in Argentine Republic, 45.  
Meteorology, revision of Loomis's contributions to, 301; theoretical, 21, 48.  
Metiakahita, 174, 191.  
Michie's Analytical Mechanics, 190.  
Microscopes, 275, 310.  
Microscopists, society of, 94.  
Middleton, J. D. Ohio mounds, 32.  
Milk, condensed, 154; distillery, 4, 46, 59, 72, 107, 157, 251.  
Mills, T. W. Romantic Love, 130.  
Mills's Science of Politics, 237.  
Milton's Paradise Lost, 128.  
Minchin's Nature Veritas, 128.  
Mind, can the, attend to two things at once? 17; primitive, 270.  
Minot, C. S. Microscopes, 275.  
Morey, J. T. Objects in teaching, 179.  
Morgan, A. Act of God, 141; international copyright, 25.  
Morgan, T. J. Examinations, 112; sense of smell, 340.  
Morgan's Educational Mosaics, 103.  
Morphology, Journal of, 234, 272.  
Morrison's Ventilation and Warming of School-Buildings, 200.  
Morse, E. S. What American zoologists have done for evolution, 73.  
Mosquito poison, 106.  
Mosquitoes, 72, 96.  
Motion, asymmetry of, 214.  
Mound-exploration, 148.  
Mounds, Ohio, 32.  
Mummies, some Western, 146.  
Murdock, J. Eskimo and Indian, 287; pronunciation of Arkansas, 130.  
Muscle, dermo-tensor patagii, 57.

## N.

Nebraska Chemical Laboratory, 82.  
Needles in the body, 231.  
Neurological Association, 53.  
Nevin, W. W. Act of God, 278.  
Newberry, J. S. Flight of birds, 290.  
New Guinea, 148, 213.  
Newton, W. K. Condensed milk, 154.  
New Zealand, acclimatization in, 170.  
Nicaragua Canal, 182, 238; canoes, 273; expedition, 286.  
Nicholson, H. H. Nebraska Chemical Laboratory, 82.  
Noyes's Qualitative Analysis, 191.

## O.

Ocean tracks, 313.  
Oerter's Social Question, 189.  
Oil on troubled waters, 61, 145, 191.  
Okinagen Indians, myth of, 150.  
Oliver, J. K. Faulty memory, 274.  
Opium, effect of, on higher animals, 138; in Tonquin, 302; use of, 100.  
Optics, applied, 108.  
Oriental Association, the American, 219.  
Osborn, H. Coloring of pigweed-leaves, 166.  
Osborn, H. P. Mammalian dentition, 300.  
Osgood, H. L. State interference, 60.

## P.

Palmer's New Education, 67.  
Pars proptagialis, 73.  
Pasteur's methods, 42.  
Payne, F. F. Sea-water ice, 120.  
Payne, W. H. Examinations, 113.  
Peck's Analytical Mechanics, 249.  
Peet, L. R. The Florida heron, 96.  
Pennsylvania, archaeology at University of, 302.  
Petroleum, origin of, 308; transportation in bulk, 273.  
Physiological Association, 37.  
Photograph, Edison's, 229.  
Photographs by the light of fire-flies, 129.  
Physical Education Association, 231; training, 278.  
Physics for schools, 129; summer school of, 21.  
Physiology in schools, 224.  
Physique, the American, 229, 278.  
Pickering, W. H. Total solar eclipse of 1886, 9.  
Pigweed-leaves, coloring of, 166.  
Pilling's Bibliography of the Eskimo language, 68.  
Pineal eye of lizard, 10.  
Plant's Storage of Electrical Energy, 93.  
Political Science Quarterly, 8.  
Pot-holes, Pennsylvania, 208, 228, 240, 252.  
Pott's Our Heredity from God, 234; Sixth Annual Report, 235.  
Preyer's Naturforschung und Schule, 284.  
Price's Industrial Peace, 236.  
Prisoners, health of, 231.  
Prize, Erminnie A. Smith memorial, 298.  
Proctor's Chance and Luck, 43.  
Prudden, T. M. Microscopes, 310.  
Psychical Research, American Society for, 287.  
Psychological medicine at the medical congress, 137.  
Psychology, American Journal of, 45, 248.  
Purslane-worm, 304, 238.  
Putnam, C. E. death of, 81.

## Q.

Quarantine systems, 315.

## R.

Railroads, transcontinental, 133. *with map.*  
Railway in the Arctic, 319.  
Rau, Charles, death of, 57.  
Re-action time, 233.  
Reade's Origin of Mountain Ranges, 139.  
Reading-circle of New Jersey, 62.  
Reynolds, T. T. Senses, 34.  
Richet's Essai de Psychologie Generale, 222.  
Rifle-ball, energy of, 272.  
Roach's Trigonometry, 191.  
Rods, making of good, 109.  
Robin's nest, 48, 60, 72.  
Robins's Technical School and College Buildings, 163.  
Rock specimens from Cumberland Sound, 287.  
Rockwood, C. G. jun. An insect fight, 94.  
Robé, G. H. Distillery-milk, 46.  
Robins's Love and Personal Beauty, 100, 130, 143, 152, 216.  
Roemini Serbati's Method applied to Education, 18.  
Route from England to Asia, 15.  
Rum and civilization, 301.  
Russell's Geological History of Lake Lahontan, 79.  
Ryder, J. A. Microscopes, 311.

## S.

Saintsbury's History of Elizabethan Literature, 307.  
Samoa Islands, 189.  
Sanitary convention in Michigan, 117, 214; science and education, 218.  
Scarlet-fever, 100; in London, 221; report, 294.  
Schiller's Wallenstein, 128; Wilhelm Tell, 128.  
School attendance in Prussia, 212; for Indians, 61.  
Schools, health in, 64, 247; Norway, 169; over-pressure in, 177, 192; reform of German, 250.  
Schurman's Ethical Import of Darwinism, 301.  
Science at the American Association, 166.  
Scrapers, ancient, 10.  
Senselessness, 34, 100, 214.  
Sea-water ice, 95, 118, 120.

Seas's Children of Silence, 271.  
Sensations, the influence of, on one another, 317.  
Sewer-air, 49.  
Sewer-gas, 247.  
Shed, distribution of, 21.  
Shorthand congress, 194.  
Shufeldt, R. W. Audubon's grave, 108; dermo-tensor patagii muscle, 57; destruction of Florida heronries, 47.  
Sibley College extension, 158.  
Sidgwick's Political Economy, 250.  
Signal Service stations, 140.  
Silver in Oregon, 192.  
Sioux, the, 300.  
Sleep, why do we? 115.  
Smell, sense of, 249; in dogs, 78; and touch *versus* sight, 215.  
Smyth, H. L. Cloud-heights, 46.  
Snow, F. H. Purslane-worm, 204.  
Snow, glacier-like movement in, 180.  
Snow Hall at Lawrence, Kan., 314.  
Soil, management of, 77.  
Sorghum-sugar, 181, 227.  
Sound-blindness, 244, 312.  
Sparrows, expulsion of, 108, 190.  
Spiritualism, exposure of, 81; Seybert report on, 7.  
Stanley Falls, 313.  
Stanley's movements, 97, 133, 169.  
Star of Bethlehem, 324.  
State interference, 2, 13, 28, 60.  
Steamers, tonnage of, 191.  
Stejneger, L. New species of thrush, 108; pars propatagialis, 70.  
Stewart and Geo's Physics, 236.  
Stewart's Our Temperaments, 44.  
Stone daggers from Missouri, 192.  
Stone, G. H. Glacier in Colorado, 153.  
Street's The Hidden Way across the Threshold, 102.  
Strode, W. S. Flight of birds, 322.  
Sun, diameter of the, 129.  
Survey of Florida Keys, 129; of India, 68; of the United States, 49.  
Swindler, scientific, 303.  
Swiss Alps accidents, 176.

T.  
Tachycineta, maxillo-palatines of, 12.  
Tape-worm, 108.  
Tea and coffee, what to eat with, 30; and chicory, consumption of, 224.  
Teachers' Association, 250.  
Teaching, objects in, 179; pictorial, 17.  
Teas from India and China, 250.  
Telegraphy, automatic, 176; from a train, 238.  
Temper, types of, 65.  
Temperance-teaching, 68; gone mad, 49.  
Temperature sense, 252.  
Temperatures of the ocean, 291.  
Terhune, J. Temperance-teaching, 68.  
Thackeray's Letters, 175.  
Theosophical movement in India, 261.  
Thomson, G. M. Acclimatization in New Zealand, 170.  
Thoreau's Journal, 296.  
Thought-phantasms, 128.  
Thought-transference fraud, 229.  
Thring, Edward, death of, 253.  
Thrush, new species of, 108.  
Thurston, R. H. Armor for land defences, 121; technical education, 74.  
Thwing's, The Family, 283.  
Tidy's Treatment of Sewage, 117.  
Timbuktu, 213.  
Time necessary to perceive cold and heat, 79.  
Toltees an historical nationality, 231.  
Topography, 132.  
Tornado power, 48, 60, 323.  
Townsend, C. H. Natural history notes on Alaska, 261.  
Trumpet-creeper, 304, 216, 240.  
Tunis, stone age in, 123.  
Typhoid-fever, cause of, 198; contagion, 221; epidemic at Plymouth, 214.

U.  
Universities, British, 210.  
University of New Zealand, 12.  
Upcott's Greek Sculpture, 140.  
Upham's Upper Beaches of the Glacial Lake Agassiz, 103.

V.  
Vessels, speed of, 249.  
Vital statistics in Massachusetts, 213.  
Volapuk, 10, 24, 140.

W.  
Wadsworth, M. E. Keweenaw system, 166.  
Waldo, F. Meteorological observations above the earth's surface, 35; wind-register, 309.  
Wall's Natural History of Thought, 163.  
Ward's Flora of the Laramie Group, 150.  
Waters, G. F. Color-blindness, 179.  
Waterspouts, 32.  
Wave, the Umbria's, 193.  
Weather-predictions, 322.  
Wells, The, 159.  
Wheat, Indian, 314.  
Wheat-crop of India, 253.  
Wheeler, W. M. Grindella glutinosa, 180.  
Whicher, G. M. Purslane-worm, 228.  
White's Laramie Molluscan Fauna, 126.  
Whooping-cough in the cat, 36.  
Wilson, G. Cheyenne, 229, 264.  
Wilson, J. D. Indian names, 252.  
Wilson's studies in Life and Sense, 30.  
Wind-pressure, 118, 132.  
Wind-register, 309.  
Wooikof's Die Klimate der Erde, 127.  
Wolf, A. R. Wind-pressure, 132.  
Wollny's Grundriss der Psychologie, 256.  
Women, 10.  
Wood's Natural Law in the Business World, 286.  
Wounds healed by mental impressions, 163.  
Wundt's Psychologie, 305.  
Wurtz's Elements of Modern Chemistry, 191.

Y.  
Yellow-fever at Tampa, 214, 221, 247.  
Yemen, explorations in, 303.  
Yukon, survey of, 165.

Z.  
Zoologischer Jahresbericht, 151.

## LIST OF ILLUSTRATIONS.

	PAGE		PAGE
Africa, Central, Junker's explorations in	54	Salt marshes in Tsaidam	64
Asia, sketch-map showing shortest routes from the United States to		Sand-hills	63
Eastern	16	Science at the American Association (7 figs.)	167, 168
Baird, Spencer F.	97	Sibley College extension (5 figs.)	158, 159, 160
Clark, Alvan	97	Stone dagger from Missouri	192
Cumberland Sound, ice-chart of	233	Tachycineta, maxillo-palatines of	12
Diamond, North Carolina	168	Temperatures of the Pacific Ocean	292
Diamond-field in Kentucky	141	Theosophical brothers, annual congress of, in India	262
Diamonds, four large South African (11 figs.)	69, 70	Topographical survey of the United States (3 figs.)	51, 52
Earthquake, Sonora	81	University of Nebraska, chemical laboratory of (5 figs.)	82, 83, 84
Earthquakes, depth of (3 figs.)	23, 24	Wind-register	309
Fossils, chalcodonized (2 figs.)	156		
Kongo Basin, map of	42		
Meteorological observations above the earth's surface (2 figs.)	33, 34	Arctic America, map of north-eastern	opposite 3
Mounds, Ohio	32	Asia, Central	opposite 62
Mummies, Western (4 figs.)	146, 147	Far West, early map of	opposite 217
Muscle, dermo-tensor patagii	57	Nicaragua Ship-Canal	opposite 182
New Guinea, explorations in	149	Snow Hall of Natural History, Lawrence, Kan.	opposite 314
Pars propatagialis musculi cucullaris (2 figs.)	71	Temperatures of the Atlantic Ocean	opposite 291